



US009672535B2

(12) **United States Patent
Higgins**

(10) **Patent No.: US 9,672,535 B2**
(45) **Date of Patent: Jun. 6, 2017**

(54) **SYSTEM AND METHOD FOR
COMMUNICATING INFORMATION**

USPC 340/573.1, 573.4, 539.22, 500, 501;
600/300, 306, 346, 549
See application file for complete search history.

(71) Applicant: **Brian William Higgins**, Dayton, MD
(US)

(72) Inventor: **Brian William Higgins**, Dayton, MD
(US)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/136,956**

(22) Filed: **Apr. 24, 2016**

(65) **Prior Publication Data**
US 2016/0253712 A1 Sep. 1, 2016

Related U.S. Application Data

(63) Continuation of application No. 14/621,481, filed on
Feb. 13, 2015, now Pat. No. 9,324,096, which is a
continuation of application No. 13/941,821, filed on
Jul. 15, 2013, now Pat. No. 9,000,928, which is a
continuation of application No. 12/636,736, filed on
Dec. 12, 2009, now Pat. No. 8,487,772.

(60) Provisional application No. 61/122,387, filed on Dec.
14, 2008.

(51) **Int. Cl.**
G08B 13/00 (2006.01)
G06Q 30/02 (2012.01)
H04L 29/08 (2006.01)
G06K 9/00 (2006.01)

(52) **U.S. Cl.**
CPC **G06Q 30/0269** (2013.01); **G06K 9/00281**
(2013.01); **G06Q 30/0201** (2013.01); **G06Q**
30/0251 (2013.01); **H04L 67/22** (2013.01)

(58) **Field of Classification Search**
CPC G06Q 30/0201; G06Q 30/0269; G06Q
30/0251; H04L 67/22

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,034,500 A	5/1962	Backster, Jr.
3,548,806 A	12/1970	Fisher
3,870,034 A	3/1975	James
4,353,375 A	10/1982	Colburn et al.
4,794,533 A	12/1988	Cohen
4,931,865 A	6/1990	Scarampi
4,950,069 A	8/1990	Hutchinson
5,031,228 A	7/1991	Lu
5,330,513 A *	7/1994	Nichols A61N 1/36585 607/17
5,507,291 A	4/1996	Stirbl et al. (Continued)

FOREIGN PATENT DOCUMENTS

KR 20100021702 2/2010

Primary Examiner — Tai T Nguyen

(57) **ABSTRACT**

A system and method for effectively communicating information using at least one mode of communication is described, in which information recipients proximate to a communications device within a pre-determined space and during a pre-determined time period are identified, from whom physiological state information is obtained that, when coupled with other characteristics information, is used to select from a plurality of information elements at least one information element to better target the information elements. The information element is then provided to the communications device so that it may be provided to the information recipients in the pre-determined space in a manner that is sensed by the information recipients.

20 Claims, 9 Drawing Sheets

